ALW

MOONRING 1

RINGS, CRESCENTS, & CONTINUOUS/ROTATABLE SHAPES
LP1/MR1 | SUSPENDED, SURFACE

STANDARD SIZES
1" Aperture
Configurable in circles, crescents, rotatable crescents, and serpentine shapes
Radii of 25", 30", 36", and 48"
Compatible with LP1 linear sections

LAMPING
LED - Direct or Indirect - 90+ CRI - 3000K/3500K/4000K
Dimming down to 0%

FINISH
18 standard finishes available at no extra charge
RAL classic colors, TCI / Tiger Drylac catalog colors, and custom color match also available

CONSTRUCTION
Industrial Strength Extruded 6061 Aluminum

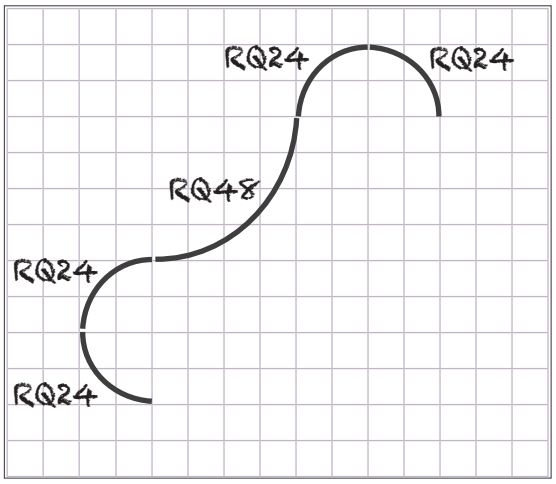
ETL Listed 2108

enlighted VIVE by LUTRON

HOW TO SUBMIT YOUR CRESCENT MOONRING CONFIGURATION (SKIP IF SPECIFYING RINGS OR STANDALONE CRESCENTS)

1. SKETCH YOUR DESIGN ON PAGE 3.

Alternatively, you can create your design using the CAD-ready STEP files provided on the CRESCENT MOONRING product page. Save your CAD assembly as a .STEP AP214 file and submit to ALW at quotes@alwusa.com.



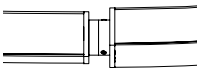
2. TALLY UP EACH DESIRED CRESCENT SIZE & COMPLETE THE PRODUCT SUBMITTAL WORKSHEET (PGS. 6-7).

Count all of the Crescents sketched in step one, and indicate the quantity of each Crescent size in step 2 of the product submittal worksheet (pg. 4).

ROTATABLE CRESCENTS (SHAPES WITH ROTATABLE CONNECTORS)

INDICATE QUANTITY OF SECTIONS / LENGTH OF LINEAR

- ■ **RQ25/4** 25" Radius *(indicate quantity)*
- ☐ **RQ30/__** 30" Radius *(indicate quantity)*
- ☐ **RQ36/__** 36" Radius *(indicate quantity)*
- ■ **RQ48/1** 48" Radius *(indicate quantity)*
- ☐ **S/__** Straight run LP1 section *(indicate total length in ft.)*



**Can select multiple sizes for Crescent Configurations.*

3. SUBMIT FORMS BELOW TO ALW FOR REVIEW.

1. CONFIGURATION GRAPH (PG. 3) or STEP AP214 FILE
2. PRODUCT SUBMITTAL WORKSHEET (PGS. 4-5)

HOW TO SUBMIT YOUR CRESCENT MOONRING CONFIGURATION (CONT.)

DESIRED CONFIGURATION (LOOKING FROM CEILING DOWNWARDS)

PRODUCT SUBMITTAL WORKSHEET

SAMPLE PRODUCT CODE

LP1/MR1SD — D4 — DECOR/3500 — 0/10V/S — EXT/F — AL — UNV — EMB/1 — OS/2 — COMBO — SB
1 2 3 4 5 6 7 8A 8B 8C

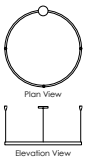
1. BASE MODEL (CHOOSE ONE)

- ☐ **LP1/MR1SD** 1" Suspended, Direct
- ☐ **LP1/MR1SI** 1" Suspended, Indirect
- ☐ **LP1/MR1SMB** 1" Wall/Surface, Back-Mounted, Front-Facing

2. NOMINAL SHAPE/SIZE

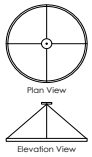
FULL-CIRCLE RINGS
STANDARD SUSPENSION

- ☐ **D4** 4' Diameter (Nominal)
- ☐ **D5** 5' Diameter
- ☐ **D6** 6' Diameter
- ☐ **D8** 8' Diameter



FULL-CIRCLE RINGS
CENTRAL AXIS SUSPENSION

- ☐ **D4/CA** 4' Diameter (Nominal)
- ☐ **D5/CA** 5' Diameter
- ☐ **D6/CA** 6' Diameter
- ☐ **D8/CA** 8' Diameter



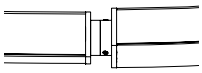
Note: See Performance Detail table on Page 11 for arc sections and mounting points.

STANDALONE CRESCENTS (SINGLE SECTIONS)

- ☐ **Q25** 25" Radius
- ☐ **Q30** 30" Radius
- ☐ **Q36** 36" Radius
- ☐ **Q48** 48" Radius

ROTATABLE CRESCENTS (ROTATABLE CONFIGURATIONS)
INDICATE QUANTITY OF SECTIONS / LENGTH OF LINEAR

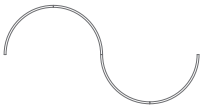
- ☐ **RQ25/__** 25" Radius *(indicate quantity)*
- ☐ **RQ30/__** 30" Radius *(indicate quantity)*
- ☐ **RQ36/__** 36" Radius *(indicate quantity)*
- ☐ **RQ48/__** 48" Radius *(indicate quantity)*
- ☐ **S/__** Linear section *(indicate total length in ft.)*



*Can select multiple sizes for Crescent Configurations.

CONTINUOUS CRESCENTS (SHAPES WITH CONTINUOUS LIGHT)
INDICATE QTY OF SECTIONS / LENGTH OF LINEAR

- ☐ **CQ25/__** 25" Radius *(indicate quantity)*
- ☐ **CQ30/__** 30" Radius *(indicate quantity)*
- ☐ **CQ36/__** 36" Radius *(indicate quantity)*
- ☐ **CQ48/__** 48" Radius *(indicate quantity)*
- ☐ **S/__** Straight run LP1 section *(indicate total length in ft.)*



*Can select multiple sizes for Crescent Configurations.

3. LED LAMPING (CHOOSE ONE UNDER B)

A. OUTPUT
■ **DECOR**
(90+ CRI)

B. CCT
- ☐ **3000K**
- ☐ **3500K**
- ☐ **4000K**

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)
See page 11 for complete details.	

4. REMOTE DRIVER[1, 2] (CHOOSE ONE)

- ☐ **0/10V/S** 0-10V dimming down to 10% (Standard Dimming)
- ☐ **0/10V/1%** 0-10V dimming down to 1%
- ☐ **0/10V/0%** 0-10V premium dimming down to 0%
- ☐ **DALI** DALI flicker-free dimming down to 0%
- ☐ **DMX** DMX flicker-free dimming down to 0%
- ☐ **ECOSYS1** Lutron Hi-lume 1% EcoSystem, constant voltage

[1]*Driver specifications provided upon request.*
[2]*See more information for compatible Driver under 'Sensor Options' for Lutron Vive Control Systems.*

5. LENS

- ■ **EXT/F** Extra diffuse, flush

6. FINISH (CHOOSE ONE. SEE PAGE 12 FOR LARGER SWATCHES AND ADDITIONAL INFORMATION)

STANDARD FINISHES

ALUMINUM

- ☐ **AL** Anodized Aluminum

BASIC POWDER COAT

- ☐ **GW** Gloss White
- ☐ **SW** Satin White
- ☐ **AW** Antimicrobial Satin White
- ☐ **TW** Textured Matte White
- ☐ **TB** Textured Matte Black

METALLIC POWDER COAT

- ☐ **SG** Silver Gray
- ☐ **CG** Charcoal Gray
- ☐ **CU** Copper
- ☐ **BR** Brass

SATIN ANODIZED EFFECT POWDER COAT

- ☐ **CS** Clear Silver
- ☐ **OB** Oil-Rubbed Bronze
- ☐ **DB** Dark Bronze
- ☐ **SB** Satin Black

GLOSS POWDER COAT (80-95% GLOSS)

- ☐ **GO** Orange (RAL 2003)
- ☐ **GR** Red (RAL 3020)
- ☐ **GM** Magenta (RAL 4010)
- ☐ **GB** Blue (RAL 5015)

SPECIAL ORDER FINISHES

- ☐ **RAL____** Specify RAL Classic Color (Ex: RAL 3003) - Most RAL Colors are available for powder coat. See www.alwusa.com/finishes
- ☐ **CAT____** Specify Catalog Colors - Specify colors from the Tiger Drylac and TCI catalogs
- ☐ **CCM____** Custom Color Match - Specify a custom powder coat color match

7. VOLTAGE

- ■ **UNV** Universal Voltage (120VAC-277VAC)

8. ADDITIONAL OPTIONS (OPTIONAL — CHOOSE ONE UNDER A & B, AND ANY UNDER C, IF DESIRED)

A. EMERGENCY OPTIONS

☐ **EMB/__**[3] Emergency Battery *(indicate quantity — each battery powers 4 linear feet with a lumen output of 755lm)*
☐ **EMC/__**[3] Emergency Circuit *(indicate quantity of 4 linear foot sections to be illuminated by emergency circuit)*

[3]*Consult ALW for available options.*

B. SENSOR OPTIONS (DEFAULT QUANTITY IS 1 SENSOR PER UNIT, INDICATE ALTERNATE QUANTITY IF DESIRED)

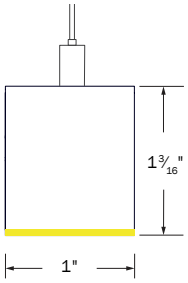
☐ **FCJS/__**[4] Lutron® Vive remote RF wireless fixture control (Lutron Part: FCJS-ECO or FCJS-010)
☐ **FCJS/S/__**[4] Lutron® Vive remote RF wireless fixture control + daylight/occ sensor (Lutron Part: FCJS-ECO or FCJS-010, & FC-Sensor)
☐ **ENLGHT/__**[5] Enlighted® remote connected lighting smart sensor (Enlighted Part: SU-5S-H) *(occupancy, daylight, networking, and more)*
☐ **OS/__** 0-10V remote occupancy sensor
☐ **PH/__** 0-10V remote photocell/daylight sensor

[4]*Lutron® Vive remote sensors are compatible with the following drivers: 0/10V/S, 0/10V/1, 0/10V/0 driver or ECOSYS. Programming required by Lutron Commissioner.*
[5]*Enlighted® sensors are compatible with the following drivers: 0/10V/S, 0/10V/1, 0/10V/0. Programming required by Enlighted Commissioner. Additional Enlighted sensor families included IoT Sensors and Enlighted One Sensors are also available. Contact Customer Support for more information.*

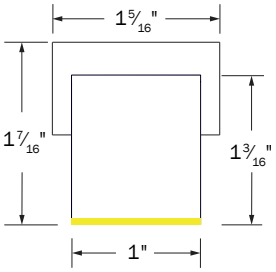
C. ADDITIONAL OPTIONS (COMPATIBLE ONLY WITH SUSPENDED MODELS)

☐ **COMBO** Combination 4.5" canopies at power feed locations to accommodate both power cord and suspension mount hardware.
☐ **SB** Seismic Bracing

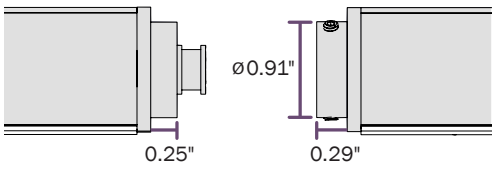
MECHANICAL DIAGRAMS — MOUNTING & DIMENSIONS



LP1/MR1SD



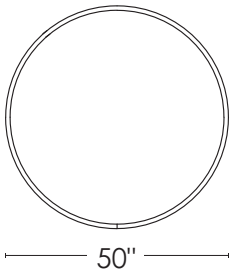
LP1/MR1SMB
W/ SURFACE-MOUNT BRACKET



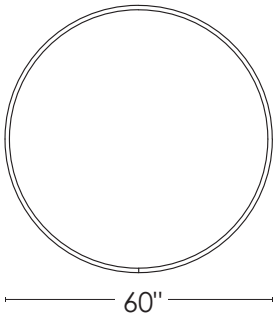
ROTATING CONNECTORS (RQ)

MECHANICAL DIAGRAMS — CONFIGURATIONS

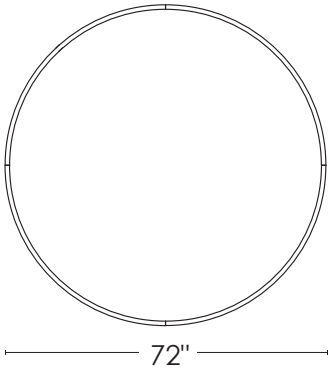
MOONRINGS
Shown with Full-Circle Diameters



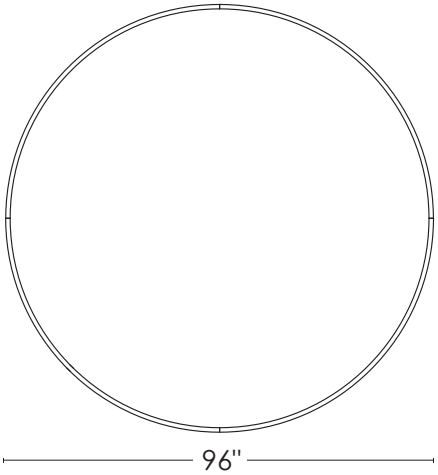
D4



D5

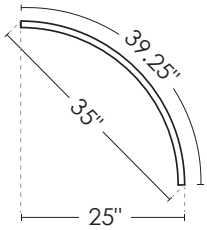


D6

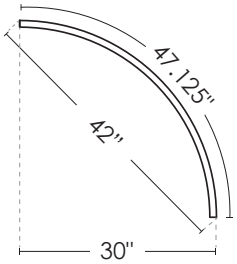


D8

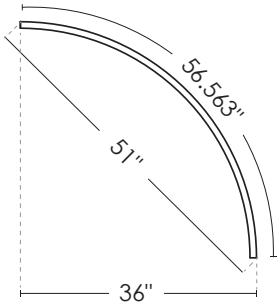
QUADRANT ARCS
Shown with Radius and Arc Chord Lengths



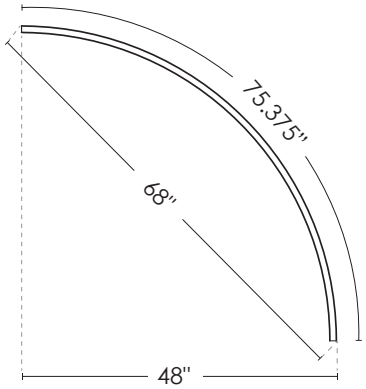
Q25



Q30



Q36

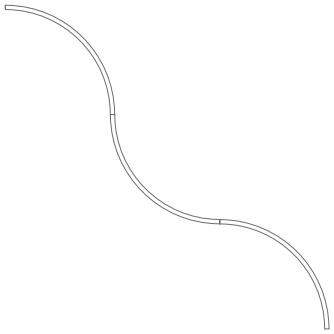


Q48

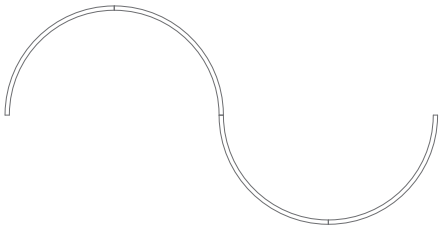
SS060520-A.0

SAMPLE CONFIGURATION DIAGRAMS

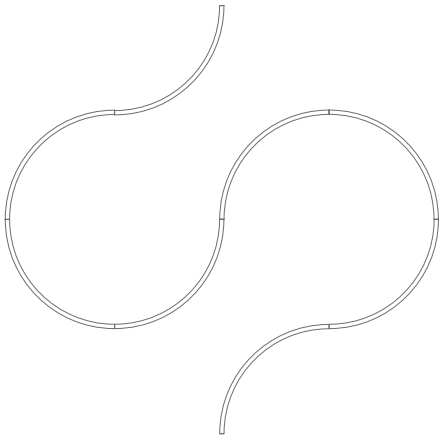
SERPENTINE SHAPES



Serpentine
Depicted: CQ25/3
3x 25" Arcs
CQ25/3

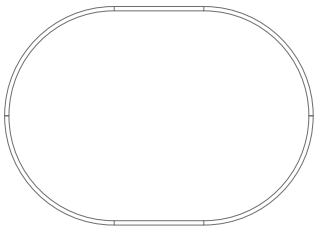


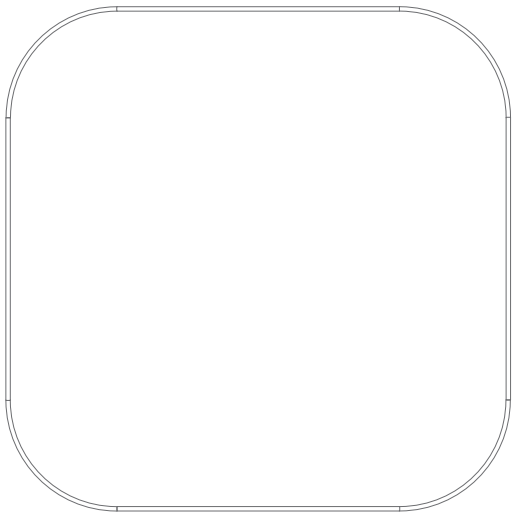
S-Shapes
Depicted: CQ25/4
4x 25" Arcs
CQ25/4



Curves
Depicted: CQ25/8
8x 25" Arcs
CQ25/8

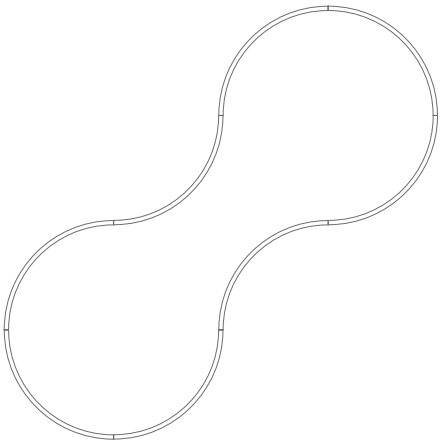
STADIUM OVALS & ROUNDED RECTANGLES
with compatible Lightplane 1 (LP1) linear sections





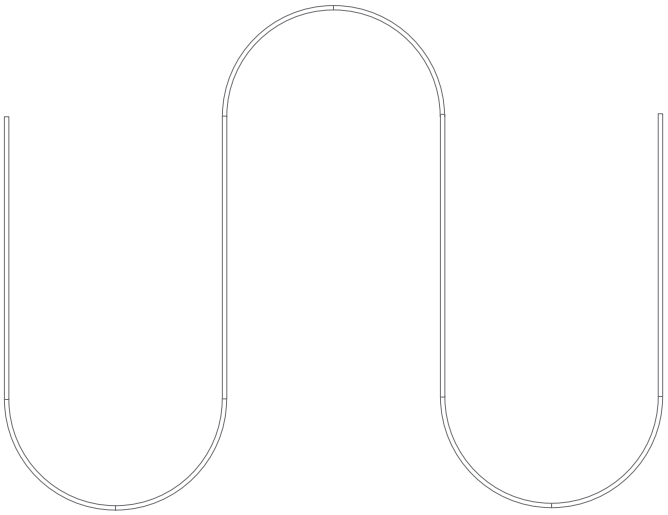
SAMPLE CONFIGURATION DIAGRAMS

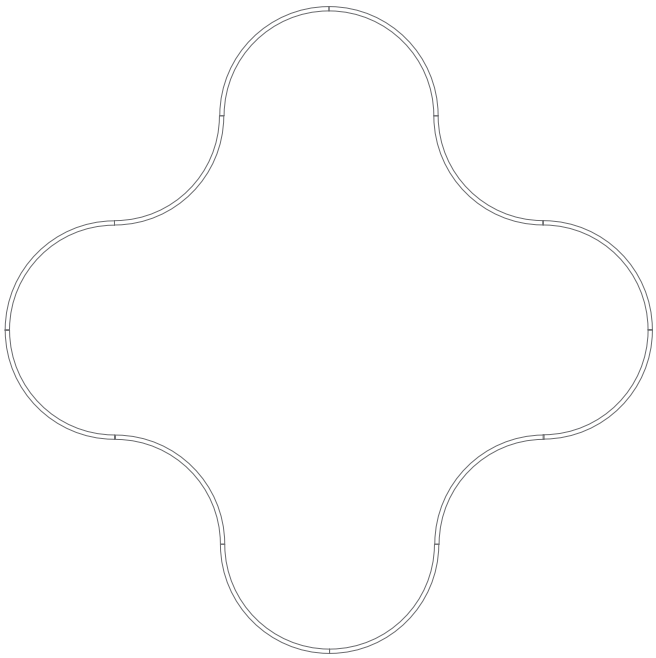
OTHER CONFIGURATIONS



Depicted: CQ25/8
8x 25" Arcs

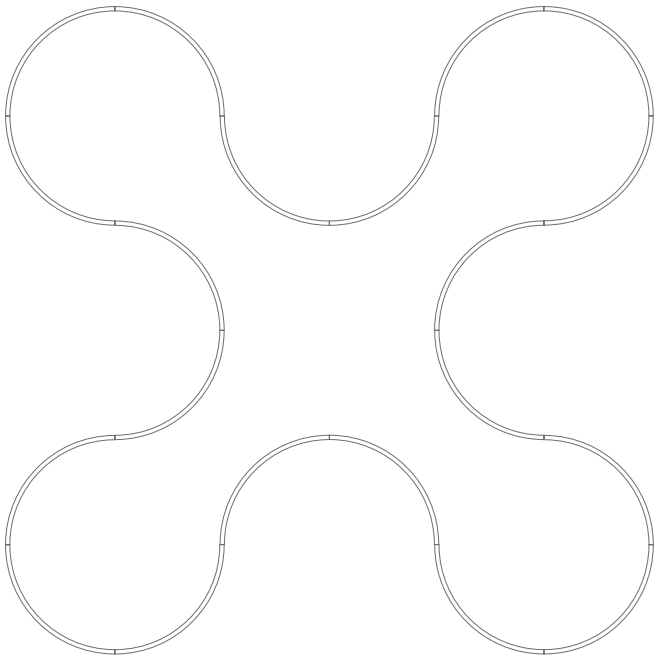
CQ25/8





Depicted: CQ25/12
12x 25" Arcs

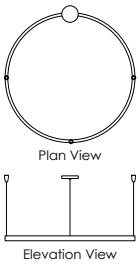
CQ25/12



Depicted: CQ25/20
20x 25" Arcs

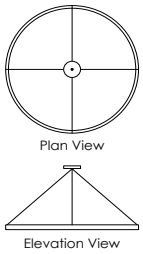
CQ25/20

SUSPENSION OPTIONS



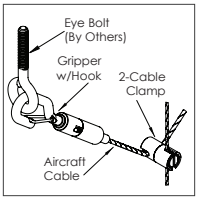
Standard Suspension (SS)

(1) 4.5" white canopy per power feed location
(1) bullet mount
(1) 8' aircraft cable and
(1) 2" white canopy (for use with T-bar mounting) per suspension point



Central Axis Suspension (CAS)

(1) 4.5"(D4 to D6) and 5"(D8) white central axis canopy per fixture that all aircraft cables/power feeds route into, as shown.



Seismic Bracing (SB)

Add-on hardware includes cable gripper with hook, 2-cable clamp and specified length of aircraft cable per suspension point.

Combo Canopy (COMBO)

Choose option COMBO to specify 4.5" canopies at feed locations with power feed and aircraft cable suspension mounting. Canopy finish is always white. Contact ALW for alternate colors.

REMOTE DRIVER VOLTAGE DROP INFORMATION (12VDC)

The below table should be used as a general guide to calculate the maximum run length between the canopy J-Box and the 0-10V remote driver. See alwusa.com/voltage-drop-calculator/ to calculate maximum recommended run length for specific wattages. Please note that the provided values are estimates only, and may vary depending on various factors such as temperature, wire/connector quality, etc. Also note that the wattages provided on the performance detail chart (pg. 8) are total watts for the fixture. The wattages for each remote driver should be indicated on the remote box, otherwise estimate watts by dividing total watts by the number of remote drivers provided.

WIRE GAUGE	20W 1.67A	30W 2.50A	40W 3.33A	50W 4.17A	60W 5.00A	70W 5.83A	80W 6.67A	90W 7.50A	100W 8.33A
18 AWG	8 ft.	3 ft.	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
16 AWG	18 ft.	9 ft.	5 ft.	2 ft.	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
14 AWG	34 ft.	20 ft.	13 ft.	9 ft.	6 ft.	4 ft.	2 ft.	Not recommended	Not recommended
12 AWG	60 ft.	37 ft.	26 ft.	19 ft.	14 ft.	11 ft.	9 ft.	7 ft.	5 ft.
10 AWG	100 ft.	64 ft.	46 ft.	35 ft.	28 ft.	22 ft.	19 ft.	16 ft.	13 ft.

PERFORMANCE DETAILS — LED LAMPING

FIXTURE TYPE	SIZE	DELIVERED LUMENS[3] (LM)	WATTS[6] (W)	MOUNTING OPTIONS	TOTAL FIXTURE SECTIONS	SUSPENSION POINTS	POWER DROPS[7]		REMOTE DRIVER BOXES		APPROX. WEIGHT (LBS)
							0-10V, DALI, DMX	ECOSYS	0-10V, DALI, DMX	ECOSYS	
D4	4ft. Dia. (Nominal)	2390	57.5	Surface or Suspended	1x Joined Arc	4x Total	1	1	1	1	18
D5	5ft. Dia.	2870	69				1	1	1	1	22.5
D6	6ft. Dia.	3440	82.8		4x Joined Arcs	4x Total, 1x Per Arc	1	2	1	2	27
D8	8ft. Dia.	4590	110.4			6x Total, Across 4x Arcs	1	2	1	2	36
D4/CA	4ft. Dia. (Nominal)	2390	57.5	Suspended (With Central Axis Canopy)	4x Joined Arc	4x Total	1	1	1	1	18
D5/CA	5ft. Dia.	2870	69				1	1	1	1	22.5
D6/CA	6ft. Dia.	3440	82.8		4x Joined Arcs	4x Total, 1x Per Arc	1	1	1	2	27
D8/CA	8ft. Dia.	4590	110.4			6x Total, Across 4x Arcs	1	1	1	2	36
Q25	25in. Radius	600	14.4	Surface or Suspended	1x Arc	3x Total	1	1	1	1	4.5
Q30	30in. Radius	720	17.3								5.63
Q36	36in. Radius	860	20.7								6.75
Q48	48in. Radius	1150	27.6								9

[6]*Performance calculations derived from actual IES test of D2 LED/3500K 0/10V driver*
[7]*Power Drop refers to the total quantity of canopies dropping low voltage power to the fixture. Each canopy may have one or multiple wire feeds supplying power to the fixture.*

STANDARD FINISHES

Standard finishes are available at no additional charge.

ALUMINUM

Anodized Aluminum

BASIC POWDER COAT

Gloss White

Satin White

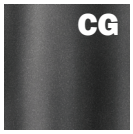
Antimicrobial Satin White

Textured Matte White

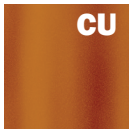
Textured Matte Black

METALLIC POWDER COAT

Silver Gray



Charcoal Gray



Copper

Brass

SATIN ANODIZED EFFECT POWDER COAT

Clear Silver

Oil-Rubbed Bronze

Dark Bronze

Satin Black

GLOSS POWDER COAT (80-95% GLOSS)

Orange RAL 2003

Red RAL 3020

Magenta RAL 4010

Blue RAL 5015

SPECIAL ORDER FINISHES*

RAL CLASSIC COLORS (80-95% GLOSS): RAL_ _ _ _

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003).
See www.alwusa.com/finishes

CATALOG COLORS: CAT_ _ _ _

The complete range of powder coat colors from Tiger Drylac and TCI catalogs are available for a minimum setup fee. Consult ALW for a catalog color you would like to specify.

CUSTOM COLOR MATCH: CCM_ _ _ _

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

*An individual setup fee will apply to each unique Special Order Finish per purchase order.
(ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

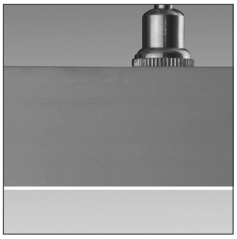
ADDITIONAL OPTIONS & SPECIFICATIONS

ELECTRICAL PERFORMANCE

Class 2 LED remote drivers are provided with 10' plenum-rated cable. 80+ CRI. Luminous flux +/- 5%.

LENS

Extruded, twin-layered, high-impact acrylic. EXT is white and extra diffuse with minimal- to no-source visibility.



FLUSH LENS – EXT/F

HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.08" minimum wall thickness.

SAFETY & REGULATORY

ETL Listed (U.S. & Canada). Suitable for dry or damp locations.
Conforms to UL std. 2108, Low Voltage Luminaires / Low Voltage Lighting Systems
Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

OPERATING CONDITIONS

Luminaire should be installed and operated ONLY in dry or damp locations where the ambient temperature ranges from -4°F to 122°F (-20°C to 50°C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

WARRANTY

Limited 5-year warranty. Details: alwusa.com/warranty

POWER CABLES

Power cables come standard in a transparent sheathing to match steel aircraft suspension cables. Please contact customer support if custom cables are required for your application. Power cables cannot be swapped in the field as it will void the ETL Safety Listing and Product Warranty.

CONTROLS, SENSORS, & LED DRIVER

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. We currently support integration with Lutron, Enlighted, EldoLED, nLight, Osram, Philips, and more. If there's a component or system needed that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.